

# REGISTRATION - WATERSHEDS 103: TRAINING FOR TMDL PRACTITIONERS

June 13-14, 2000

Registration will be on a first come, first served basis.  
Space is limited so early registration is encouraged.  
Questions regarding registration can be directed to  
Mary Beck by phone, 215/814-3429, or by e-mail:

[Beck.Mary@epa.gov](mailto:Beck.Mary@epa.gov)

## REGISTRATION FORM

*(Make a copy of this form if you wish to keep the  
program on the reverse side intact)*

Name: \_\_\_\_\_

Affiliation: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ ZIP: \_\_\_\_\_

Phone: (\_\_\_\_) \_\_\_\_\_

Fax: (\_\_\_\_) \_\_\_\_\_

E-mail: \_\_\_\_\_

Mail, fax, or e-mail your registration to:

Mary Beck  
USEPA Region 3  
1650 Arch Street  
Philadelphia, PA 19103-2029  
E-mail: [beck.mary@epa.gov](mailto:beck.mary@epa.gov)  
Fax: 215/814-2301

USEPA Region 3  
1650 Arch Street  
Philadelphia, PA 19103-2029



The Watershed Academy Presents

*Watersheds 103*

## TRAINING FOR TMDL PRACTITIONERS

*A Training Workshop*

*June 13-14, 2000  
Philadelphia, PA*

*A workshop cosponsored by*



*U.S. Environmental Protection Agency's  
Office of Wetlands, Oceans, and Watersheds and  
U.S. EPA Region 3*

*Presented by Tetra Tech, Inc.*

---

## ABOUT THE COURSE

This course reviews the programmatic and technical components for developing total maximum daily loads (TMDLs) under Section 303(d) of the Clean Water Act. Section 303(d) requires that states develop lists of waters that do not meet state water quality standards, even after the application of technology-based and other required controls. States must establish priority rankings for waters on the list and develop TMDLs for these waters. A TMDL is a calculation of the maximum amount of a pollutant that a waterbody can receive and still meet water quality standards, and an allocation of that amount to the pollutant's sources. This training provides critical information on how the technical basis for a TMDL can be developed. The TMDL information will be presented through lectures and relevant case study examples tailored to regional needs.

This course is sponsored by EPA's Office of Water, Office of Wetlands, Oceans and Watersheds, and US EPA Region 3. The course is intended for those who will be developing TMDLs, providing information and data to TMDL developers, or involved with implementing TMDLs, including technical water resources staff and watershed managers from states, tribes, and territories; local governments; EPA regional and headquarters staff; and other interested watershed practitioners.

---

## TENTATIVE AGENDA

### *Day 1*

|                            |                   |
|----------------------------|-------------------|
| Registration               | 8:00 - 9:00 a.m.  |
| Introduction               | 9:00 - 9:15 a.m.  |
| Introduction to TMDLs      | 9:15 - 12:00 a.m. |
| Program Overview           |                   |
| TMDL Process               |                   |
| TMDL Elements and Analysis |                   |

### *Break*

TMDL Examples  
TMDL Submittal

*Lunch (on your own)*                      *noon - 1:00 p.m.*

|  |                 |
|--|-----------------|
| Modeling and Analysis for              | 1:00 -2:00 p.m. |
| Establishing TMDLs                     |                 |
| Development of the Analytical Approach |                 |
| Introduction to Modeling               |                 |
| Available Models and Model Selection   |                 |
| Model Application                      |                 |

### *Break*

|                               |                  |
|-------------------------------|------------------|
| Case Study 1 - Sediment       | 2:15 - 2:45 p.m. |
| Case Study 2 - Mining         | 2:45- 3:45 p.m.  |
| Case Study 3 - Fecal Coliform | 3:45 - 4:45 p.m. |
| Discussion                    | 4:45 - 5:00 p.m. |

### *Day 2*

|                           |                    |
|---------------------------|--------------------|
| Case Study 4 - Biological | 8:30 - 9:30 a.m.   |
| Implementation of TMDLs   | 9:30 - 10:30 p.m.  |
| <i>Break</i>              |                    |
| Best Management Practices | 10:45 - 12:00 p.m. |
| Wrap up and Adjourn       | Noon -12:30 p.m.   |

---

## WORKSHOP LOCATION

This workshop will be held at EPA Region 3, 1650 Arch Street, Philadelphia, PA 19103. For directions to the site, contact Mary Beck by phone, 215/814-3429, or by e-mail: [Beck.Mary@epa.gov](mailto:Beck.Mary@epa.gov).

---

## HOTEL ACCOMMODATIONS

Attendees are responsible for their own arrangements. A list of nearby hotels can be obtained by contacting Mary Beck by phone, 215/814-3429, or by e-mail: [Beck.Mary@epa.gov](mailto:Beck.Mary@epa.gov).

---

## THE WATERSHED ACADEMY

The Watershed Academy supports a variety of efforts such as training and the development of reference materials to implement the watershed approach. For more information on the Academy, visit EPA's Web site at [www.epa.gov/owow/watershed/wacademy.html](http://www.epa.gov/owow/watershed/wacademy.html).

---

## EPA's TMDL PROGRAM

For more information on EPA's TMDL Program including existing regulatory requirements, proposed regulations and guidance, State maps showing impaired waters, and other information, visit EPA's TMDL website at [www.epa.gov/owow/tmdl](http://www.epa.gov/owow/tmdl).